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CENTRAL FAX CENTER

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Application No. 10/501,013 - - - - - 2

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 (currently amended): A system ~~for for the~~ extraction, drainage and wet transport ~~of of the~~ petroleum coke produced ~~by by the~~ coking chambers ~~and~~ comprising a pre-crusher (4), a containment and drainage hopper (1), a connection system (1a) ~~between between the~~ tower (7) ~~and and the~~ pre-crusher (4), a draining-extracting belt (2), a water collection system (8), a further draining belt (3) for completing the residual water drainage, and a rubber belt (5) for the ultimate transport ~~to to the~~ storage.

2 (currently amended): The system ~~for for the~~ petroleum coke extraction and drainage according to claim 1, ~~wherein a~~ characterized by the filtering system (6) ~~for the collected water is situated downstream from the water collection system (8). of the collection waters of the whole system:~~

3 (currently amended): The system ~~for for the~~ petroleum coke extraction and drainage according to claim 2, ~~wherein a~~ characterized by the drained coke recycle system (6a) ~~is provided downstream from filtering system (6) for recycling separated coke to one of the draining belts or directly to the storage.~~

4 (currently amended): The system ~~for for the~~ petroleum coke extraction and drainage according to claim 1, ~~wherein the~~ draining-extracting belt (2) ~~is a~~ characterized by a ~~device made of a drilled belt conveyor with conical holes for (2) for the petroleum coke's water drainage and extraction coming from the coking chamber, fit to drain the water through the used for the coke's cutting through some conical holes made over the conveyor's plates and to transport drained the drained coke towards a discharging the discharging hopper (23).~~

5 (currently amended): A system for extraction, drainage and wet transport of petroleum coke produced by the coking chambers and comprising a pre-crusher (4), a containment and drainage hopper (1), a connection system (1a) between a tower (7) and the

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pre-crusher (4), a draining-extracting belt (2) which is a drilled belt conveyor with conical drainage holes for the petroleum coke's water drainage and extraction coming from the coking chamber, fit to drain the water through the conical holes and to transport the drained coke towards the discharging hopper (23); a water collection system (8), a further draining belt (3) for completing residual water drainage, and a rubber belt (5) for the ultimate transport to the storage; The system for the petroleum coke extraction and drainage according to claim 4, characterized in that wherein said belt conveyor is equipped with a high pressure nozzle nozzles system (33, 30, 31) for for the cleaning of a of the traction drum (26), of a of the return stretch (34) of the belt conveyor and of of the collection channel (32), respectively.

6 (currently amended): The system for for the petroleum coke extraction and drainage according to claim 5, wherein characterized in that said traction drum (26) and belt conveyor's rollers are equipped with a coating which avoids coke's fines adhesion.

7 (currently amended): The system for for the petroleum coke extraction and drainage according to claim 6, wherein characterized in that said coating of the traction drum (26) also increases the coefficient of friction between said drum and the belt conveyor's metal net.

8 (currently amended): The system for for the petroleum coke extraction and drainage according to claim 5, wherein claim 4, characterized in that said belt conveyor is equipped with a collection system (25) for for the drained water to be sent to collection system the collection channel (8).

9 (currently amended): The system for for the petroleum coke extraction and drainage according to claim 5, wherein claim 4, characterized in that said belt conveyor is equipped with a hydraulic system (29) for for the tensioning of the corresponding drum (22).

10 (currently amended): The system for for the petroleum coke extraction and drainage according to claim 6, wherein characterized in that scrapers (27, 28) are provided on traction drum (26) and tensioning drum (22), respectively, for (22) respectively for the coke's fine removal of coke fines.